Client ID: Lab ID:	#2 930115-2	Date Received: 10/17/92 Date Extracted: 10/30/92 Date Analyzed: 11/26/92
Sample Size: % Solid:	0.030 Kg	Extract Volume: 10 mL

CAS No. COMPOUND	Concentration Units: ug/Kg	Q
12674-11-2 Aroclor-1016 11104-28-2 Aroclor-1221 11141-16-5 Aroclor-1232 53469-21-9 Aroclor-1242 12672-29-6 Aroclor-1248 11097-69-1 Aroclor-1254 11096-82-5 Aroclor-1260	530 530 530 530 530 1100 1100	0 0 0 0

(Q) - Qualifiers:

Client:	US ACOE	Date Received: 10/17/92
Client ID:	#3	Date Extracted: 10/30/92
Lab ID:	930115-3	Date Analyzed: 11/26/92
Sample Size: % Solid:	0.030 Kg 19 %	Extract Volume: 10 mL Dilution Factor: 1

CAS No.	COMPOUND	Concentration Units: ug/Kg	Q ,
12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1 11096-82-5	Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260	420 420 420 420 420 840 840	ם ט ט ט

(Q) - Qualifiers:

CAS No.	COMPOUND	Concentration Units: ug/Kg
Sample Size: % Solid:	0.030 Kg 30 %	Extract Volume: 10 mL Dilution Factor: 1
Client: Client ID: Lab ID:	US ACOE #4 930115-4	Date Received: 10/17/92 Date Extracted: 10/30/92 Date Analyzed: 11/26/92

CAS No.	COMPOUND	Concentration Units:)
12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1 11096-82-5	Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260	270 UU 270 UU 270 UU 270 UU 150 530 UU 530 UU	J

(Q) - Qualifiers:

Client: Client ID: Lab ID:	US ACOE #5 930115-5	Date Received: 10/17/92 Date Extracted: 10/30/92 Date Analyzed: 11/26/92
Sample Size: % Solid:	0.030 Kg 25 %	Extract Volume: 10 mL Dilution Factor: 1

CAS No.	COMPOUND	Concent	ration Units ug/Kg	: Q
12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1 11096-82-5	Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260		320 320 320 320 320 320 640 640	ט ט ט ט ט
				4

(Q) - Qualifiers:

U: Analyzed for but not detected

B: Found in associated blank as well as sample J: Estimated value, below quantitation limit

Client:	US ACOE	Date Received: 10/17/92
Client ID:	#6	Date Extracted: 10/30/92
Lab ID:	930115-6	Date Analyzed: 11/26/92
Sample Size: % Solid:	0.030 Kg 22 %	Extract Volume: 10 mL Dilution Factor: 1

CAS No.	COMPOUND	Concent	ration Units: ug/Kg	Q
12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1 11096-82-5	Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260		360 360 360 360 360 730 730	ם ט ט ט ט ט ט

(Q) - Qualifiers:

U: Analyzed for but not detected

B: Found in associated blank as well as sample J: Estimated value, below quantitation limit

Client: Client ID: Lab ID:	US ACOE #7 930115-7	Date Received: 10/17/92 Date Extracted: 10/30/92 Date Analyzed: 11/26/92
Sample Size:	0.030 Kg	Extract Volume . 10 -

Extract Volume : Dilution Factor: % Solid: 10 mL

CAS No.	COMPOUND	Concentration ug/1		Q
12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1 11096-82-5	Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260		180 180 180 180 180 360 360	מממממ

(Q) - Qualifiers:

Client: Client ID: Lab ID:	US ACOE #8 930115-8	Date Received: Date Extracted: Date Analyzed:	10/30/92
Sample Size:	0.030 Kg	Extract Volume :	
% Solid:	59 %	Dilution Factor:	

CAS No.	COMPOUND	Concentration Units: ug/Kg (2
12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1 11096-82-5	Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260	140 U U 140 U U 140 U U 140 U U U 140 U U U U U U U U U U U U U U U U U U U	I I I

(Q) - Qualifiers:

Client:	US ACOE	Date Received: 10/17/92
Client ID:	#9	Date Extracted: 10/30/92
Lab ID:	930115-9	Date Analyzed: 11/26/92
Sample Size:	0.030 Kg	Extract Volume: 10 mL
% Solid:	24 %	Dilution Factor: 1

CAS No.	COMPOUND	Concentration Units: ug/Kg	Q .
12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1 11096-82-5	Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260	330 330 330 330 330 670 670	ט ט ט ט ט

(Q) - Qualifiers:

Client: Client ID: Lab ID:	US ACOE #10 930115-10	Date Received: 10/17/92 Date Extracted: 10/30/92 Date Analyzed: 11/26/92
Sample Size: % Solid:	0.030 Kg 21 %	Extract Volume: 10 mL Dilution Factor: 1

CAS No.	COMPOUND	Concent	ration Units ug/Kg	: Q
12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1 11096-82-5	Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260		380 380 380 380 380 760 760	ע ט ט ט ט
(0)				

(Q) - Qualifiers:

Client: Client ID: Lab ID:	US ACOE PBLK15 S115	Date Received: Date Extracted: 10/30/92 Date Analyzed: 11/26/92
Sample Size:	0.030 Kg	Extract Volume: 10 mL
% Solid:	100 %	Dilution Factor: 1

CAS No.	COMPOUND	Concent	ration Units ug/Kg	: Q
12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1 11096-82-5	Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1260		80 80 80 80 160 160	ח ח ח ח ח

(Q) - Qualifiers:

SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: Energy and Environmental Engineering, Inc.

Lab Code:E3I

Case No.:

91151

SDG No.:

	CLIENT SAMPLE NO.	S1 (DBC)	#
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 27 28 29 30 30 30 30 30 30 30 30 30 30 30 30 30	PBLK15 S115MSB #1 #1 MS #1 MSD #2 #3 #4 #5 #6 #7 #8 #9 #10	117 110 105 86 55 99 95 115 116 107 85 124 128 103	

- S1 (DBC) = Dibutylchlorendate
- * Values outside of QC limits
- # Column used to flag recovery values
- D Surrogates diluted out

INORGANIC ANALYSIS DATA SHEET

CLIENT: Corps of Engineers

CLIENT SAMPLE ID NO .:

E3I SAMPLE ID NO.: 93011501

#1

Date Received: 10/17/92 Date Prepared: 10/31/92

Matrix: SOIL % Solids: 28.9

Elements Identified and Measured Concentrations in mg/kg dry weight

Method

Arsenic	[4]	F
Cadmium	<3	P
Chromium	18	P
Copper	28	P
Lead	63	ਜ
Zinc	136	P

"<" means that the element was not detected and that its concentration is less than the indicated value. A value in brackets indicates a concentration within five times the detection limit and therefore of lower precision. Method codes: P - ICP; F - Furnace AA; CV - Cold vapor mercury C - colorimetric

INORGANIC ANALYSIS DATA SHEET

CLIENT: Corps of Engineers

CLIENT SAMPLE ID NO .:

#2

E3I SAMPLE ID NO.: 93011502

Date Received: 10/17/92 Date Prepared: 10/31/92

Matrix: SOIL % Solids: 18.3

Elements Identified and Measured Concentrations in mg/kg dry weight

Method

Arsenic	[3]	F
Cadmium	<4	P
Chromium	[18]	P
Copper	39	P
Lead	45	F
Zinc	126	P

Comments:

"<" means that the element was not detected and that its concentration is less than the indicated value. A value in brackets indicates a concentration within five times the detection limit and therefore of lower precision.

Method codes: P - ICP; F - Furnace AA; CV - Cold vapor mercury

INORGANIC ANALYSIS DATA SHEET

CLIENT: Corps of Engineers

E3I SAMPLE ID NO.: 93011503

CLIENT SAMPLE ID NO .:

#3

Date Received: 10/17/92 Date Prepared: 10/31/92

Matrix: SOIL % Solids: 17.7

Elements Identified and Measured Concentrations in mg/kg dry weight

Method

Arsenic	[4]	-
Cadmium	<4	P
Chromium	[21]	P
Copper	39	P
Lead	66	F
Zinc	153	P

Comments:

"<" means that the element was not detected and that its concentration is less than the indicated value. A value in brackets indicates a concentration within five times the detection limit and therefore of lower precision.

Method codes: P - ICP; F - Furnace AA; CV - Cold vapor mercury

C - colorimetric

INORGANIC ANALYSIS DATA SHEET

CLIENT: Corps of Engineers

.

#4

CLIENT SAMPLE ID NO .:

E3I SAMPLE ID NO.: 93011504

Date Received: 10/17/92 Date Prepared: 10/31/92

Matrix: SOIL % Solids: 25.4

Elements Identified and Measured

Concentrations in mg/kg dry weight

Method

Arsenic	[5]	F
Cadmium	[5]	P
Chromium	23	P
Copper	47	P
Lead	131	F
Zinc	258	P

Comments:

"<" means that the element was not detected and that its concentration is less than the indicated value. A value in brackets indicates a concentration within five times the detection limit and therefore of lower precision. Method codes: P - ICP; F - Furnace AA; CV - Cold vapor mercury

C - colorimetric

INORGANIC ANALYSIS DATA SHEET

CLIENT: Corps of Engineers

E3I SAMPLE ID NO.: 93011505 CLIENT SAMPLE ID NO .:

#5

Date Received: 10/17/92 Date Prepared: 10/31/92

Matrix: SOIL % Solids: 16.0

Elements Identified and Measured Concentrations in mg/kg dry weight

> Method Arsenic Cadmium P Chromium 28 P Copper 43 P Lead 61 F Zinc

209

Comments:

"<" means that the element was not detected and that its concentration is than the indicated value. A value in brackets indicates a concentration within five times the detection limit and therefore of lower precision. Method codes: P - ICP; F - Furnace AA; CV - Cold vapor mercury C - colorimetric

INORGANIC ANALYSIS DATA SHEET

CLIENT: Corps of Engineers

E3I SAMPLE ID NO.: 93011506

CLIENT SAMPLE ID NO .:

#6

Date Received: 10/17/92 Date Prepared: 10/31/92

Matrix: SOIL % Solids: 22.6

Elements Identified and Measured Concentrations in mg/kg dry weight

		Method
Arsenic	[5]	F
Cadmium	<3	P
Chromium	22	P
Copper	35	P
Lead	50	F
Zinc	164	P

Comments:

"<" means that the element was not detected and that its concentration is less than the indicated value. A value in brackets indicates a concentration within five times the detection limit and therefore of lower precision.

Method codes: P - ICP; F - Furnace AA; CV - Cold vapor mercury
C - colorimetric

INORGANIC ANALYSIS DATA SHEET

CLIENT: Corps of Engineers

E3I SAMPLE ID NO.: 93011507

CLIENT SAMPLE ID NO .:

#7

Date Received: 10/17/92 Date Prepared: 10/31/92

Matrix: SOIL % Solids: 49.6

Elements Identified and Measured Concentrations in mg/kg dry weight

		Method
Arsenic	[2]	F
Cadmium	ř2í	P
Chromium	ìı	P
Copper	18	P
Lead	29	F
Zinc	88	P

ments:

[&]quot; means that the element was not detected and that its concentration is less an the indicated value. A value in brackets indicates a concentration thin five times the detection limit and therefore of lower precision. thod codes: P - ICP; F - Furnace AA; CV - Cold vapor mercury

INORGANIC ANALYSIS DATA SHEET

CLIENT: Corps of Engineers

E3I SAMPLE ID NO.: 93011508

CLIENT SAMPLE ID NO .:

#8

Date Received: 10/17/92 Date Prepared: 10/31/92

Matrix: SOIL % Solids: 55.4

84 P

Elements Identified and Measured

Concentrations in mg/kg dry weight

Zinc

		Method
Arsenic	[2]	F
Cadmium	[2]	P
Chromium	i2 °	P
Copper	17	P
Lead	33	F

Comments:

"<" means that the element was not detected and that its concentration is less than the indicated value. A value in brackets indicates a concentration within five times the detection limit and therefore of lower precision. Method codes: P - ICP; F - Furnace AA; CV - Cold vapor mercury C - colorimetric

INORGANIC ANALYSIS DATA SHEET

CLIENT: Corps of Engineers

E3I SAMPLE ID NO.: 93011509

CLIENT SAMPLE ID NO .:

#9

Date Received: 10/17/92 Date Prepared: 10/31/92

Matrix: SOIL % Solids: 26.9

Elements Identified and Measured Concentrations in mg/kg dry weight

		Method
Arsenic	[5]	F
Cadmium	[6]	P
Chromium	17	P
Copper	29	P
Lead	54	F
Zinc	145	P

Comments:

[&]quot;<" means that the element was not detected and that its concentration is less than the indicated value. A value in brackets indicates a concentration within five times the detection limit and therefore of lower precision.

Method codes: P - ICP; F - Furnace AA; CV - Cold vapor mercury

C - colorimetric